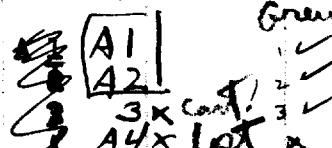


Feb 10, 1954

W-2394 x W-2344 (P2) 1:1;5 6:30 - 8:00 PM. Then diluted 1:100 (Refr. for later renewal. Note, in several previous manips, micro-pipette is used to ~~renewal~~ transfer cells to preplaced larger drops. This allows possibility of contamination by cells still clinging to (original notation: ABC, G5) outside of pipette.

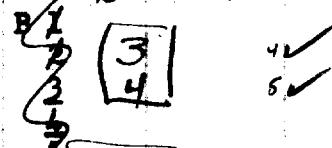
Set I (8:15-10:00) = ABCD Set II = EFG, H6 couple see D1

Set A (Previous evening, same cross) H (originally D). In this run and in future, leaves small drops (observed) only, and exploded by micro-pipette in short interval.



Lac	Gel/TMgal	Mtl Xyle	S
-	+ S -	-	R
±	- R +	+	S
±, -	(+ S) -	+- + -	R

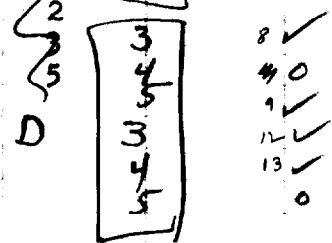
B1-2 X



-	+ S -	- -	R
-	+ S -	- -	R



-	+ S -	- -	R
-	all. + S -	- -	R



-	- R - all. - all. - all.	- all. - all.	R
-	- R +	++	S
-	- R +	++	S
-	- R +	++	S
0	0	0	

see A2 (sub)

D1

14✓

14✓	-	- -	R
15✓	+ S -	- -	R

OK.

single D2

15✓

-	+ S -	- -	R
-	+ S -	- -	R

∴ 25, 27 only non-parentals.

last E17



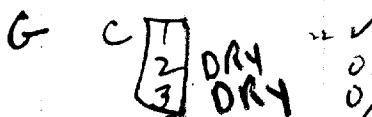
14✓	-	- -	R
15✓	+ S -	- -	R



16✓	-	- -	R
17✓	+ S -	- -	R



18✓	-	- -	R
19✓	+ S -	- -	R
20✓	- R +	++	S
21✓	- R +	++	S
22✓	+ S -	- -	R



22✓	-	- -	R
23✓	+ S -	- -	R

single H6 H1-2 G5 H 3-4

24✓	-	- -	R
25✓	+ S -	- -	R
26✓	- R +	++	S
27✓	+ S -	- -	R
28✓	+ S -	- -	R

R
R
R (lac+, -)
R
R (all lac-)

1126

Recantants

DATE: Feb. 11, 1954.

REF:

Feb 11, 1954

W-2397 x W-2344

1:1:4 3:35-4:25. Dilute 1:20 (Ref. also)

Also plate 6: 20

∴ all parental
except D3.
B5 was doubly
mated with P1, P2
as recorded in notes.
When picked, this
drosophila had two separate
clones, and were moderately
well separated.

Phage reaction of D3
not clear enough to
analyse total content,
though only Gal^+ , V_3
are seen. Cf. Say
which showed only
 Gal-8^α , not Gal^+ .

Pernasal air

P1 16
P2 5

DATE: 2/12/54

REF:

1	2	3	4	5	6	7	8	9	10
Fresh cells (ca. 1/2 grown) W2397 x W2344				1:1:1	3 ⁰⁰ — 3 ⁵⁵ deleted				
Many loose clumps noted. begin at ca 4:15 PM.					ca. 1:10.				
A1 ₁₀ Large C		1		Gal +	T5 S	Mal,			
E1 ₂ S		"			S	Mtl,			
E2 ₃ S		"			S	Xyl,			
E3 ₄ S		"			S	S			
all these are from single drop		C1 ₂ S	2		S	Lac.			
		C2 ₃ O	3		S	T1.			
		C4 ₅ —	4		S				
		D1 ₂ —	5		R				
		D2 ₃ —	6		R				
		D3 ₄ —	7		S				
		D4 ₅ —	8		R				
		E38 ₈ O	9		S				
			10		S				
			11		S				
			12		S				
			13		S				
			14		S				
			15		S				
			16						
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			48						
			49						
			50						

1-cell.

~~1130.~~

DATE: 2/13/54.

REF:

W 2401-2 x P2. Pick from Hrasin; test: Lac T5
Inferred components: Lac, Vi

⑩.

	Lact+	Lac-R
1	S	
2	R	
3	R	
4		S
5		R
6		
7		
8		
9		
10		

% Lact among She +
17/19 :
21/29 :

17/19 :

21/29:

May 2003

$$\text{fact} < \begin{matrix} R \\ S \end{matrix} \begin{matrix} 12 \\ 5 \end{matrix} \parallel \begin{matrix} 12 \\ 4 \end{matrix}$$

$$\text{foc}^-(\text{when pure}) \leq_s^R \frac{1}{1} // \frac{5}{3}$$

What are Bob's scores under this heading?

Ara almost certainly linked to lac. Confirm by Ara ratio among
 lac^{+S^R} : (Ara, T5): $par = Ara - V_1 S + R$.

$-R$ f $\begin{cases} -R \\ -S \end{cases}$ $\therefore 14/37$ have R^+ ($< \frac{1}{2}$).
 $-S$ f₈ $\begin{cases} -R \\ -S \end{cases}$ definite linkage to V_1 is apparent.

$A_2 V_s$	V_R
1	13
18	5
$A_2 V_s$	V_R

Not clear whether br/bsc linked. Use V, /s
crosses.

Pending:
comprehensive linkage tests
of lac - V_r - Ara.

The independence of lac - V_r - Ara
has not been settled, partly account
of short supply of lac bromo (phage stock).
Probably not substantiated

11305

2/15/57

~~W1422 x W1895~~ 3-997. First lesson. (part 1/2)

3/8/57. W2407 x W1895. For Gal⁺V^R recomb.
possibly Hfr!

all 10± Gal⁺ isolated probable recombinants (see OCA notes)